

Product datasheet for **RC210440A1V**

Human CACNB4 (NM_000726) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human CACNB4 (NM_000726) AAV Particle
Tag:	Myc-DDK
Symbol:	CACNB4
Synonyms:	CAB4; CACNLB4; EA5; EIG9; EJM; EJM4; EJM6
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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ORF Nucleotide Sequence:

>RC210440 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCTCCTCCTCTACGCCAAGAACGGGACCGGGACGGCCGCACTCCCCACCTCGCAGGTGGCC
 GAGGCACCACAACCCGGAGGAGCAGTTGAAAAGATCCGATGGCAGCACCACTTCGACCAGCTTCATCCT
 CAGACAGGGTTACGGGATTCCTACACAAGCAGGCCGTCTGACTCCGATGTCTTTTGAAGAGGACCGG
 GAAGCAATTCGACAGGAGAGAGAACAGCAAGCAGCTATCCAGCTTGAGAGAGCAAAGTCCAAACCTGTAG
 CATTTGCCGTGAAGACAAATGTGAGCTACTGCGCGCCCTGGACGAGGATGTGCCTGTTCCAAGCACAGC
 TATCTCCTTTGATGCTAAAGACTTTCTACATATTAAGAGAAATATAACAATGATTGGTGGATAGGAAGG
 CTGGTGAAGAGGGCTGTGAAATTGGCTTCATTCCAAGTCCACTCAGATTGGAGAACATACGGATCCAGC
 AAGAACAAAAAGAGGACGTTTTACGGAGGAAATCAAGTGGAAATTTCTTCAAGTCTTGAGAAAT
 GGTATCTGGGACATTCGAGCAACTCCCACATCAACAGCAAAACAGAAGCAAAAAGTACGGAGCACATT
 CCTCCTTACGATGTTGTACCGTCAATCGGTCCGGTGGTGTAGTGGGGCCGCTCACTGAAAGGTTACGAGG
 TAACAGACATGATGCAGAAAGCCCTCTTTGATTTCTGAAGCACAGGTTTGTGGGAGGATTTCAATAAC
 GAGAGTGACAGCTGACATTTCTTGTCTAAGAGGTCTGTCTAAATAATCCCAGCAAGAGAGCAATAATT
 GAACGTTGCAACCCCGTCCAGCTTAGCGGAAGTACAAAGTGAATTTGAAAGAATCTTTGAGTTGGCAA
 GATCTTTGCAACTGGTTGTTCTTGATGCAGACACCATCAATCACCCAGCACAACTATAAAGACTTCCTT
 AGCACCAATTATGTTTCAATGTAAGTCTCATCTCAAAGTTTTACAGCGTTGATTAATCTAGAGGA
 AAGTCACAAAGTAAACACTTGAATGTTCAACTGGTGGCAGCTGATAAATTGCACAATGCCCCCAGAAA
 TGTTTTGATGTTATATTGGATGAAAATCAGCTTGAGGATGCATGTGAACATCTAGGGGAGTACCTGGAGCC
 GTACTGGCGTGCCACCCACACAACCCAGTAGCACACCCATGACCCCGCTGCTGGGAAGGAATTTGGGCTCC
 ACGGCACTCTACCATATCCACAGCAATTTCTGGGTTACAGAGTCAGCGAATGAGGCACAGCAACCACT
 CCACAGAGAACTCTCAATTGAAAGACGAAGTCTAATGACCTCTGATGAAAATATCACAAATGAAAGGGC
 TCGGAAGAGTAGGAACCGCTTGTCTCCAGTTCTCAGCATAGCCGAGATCATTACCCTCTGTGGAAGAA
 GATTACCCTGACTCATAACAGGACACTTACAAACCCCATAGGAACCGAGGATCACCTGGGGGATATAGCC
 ATGACTCCCGACATAGGCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC210440 protein sequence
 Red=Cloning site Green=Tags(s)

MSSSSYAKNGTADGPHSPTSQVARGTTTRRSRLKRS DGSTTSTSFILRQGSADSYTSRPSDSVLSLEEDR
 EAIRQEREQAAIQLERAKSKPVAFVKTNVS YCGALDEDVVPVSTAISFDAKDFLHIKEKYNDWWIGR
 LVKEGCEIGFIPSPLRLENIRIQEQKRGRFHGKSSGNSSSSLGEMVSGTFRATPTSTAKQKQKQVTEHI
 PPYDVVPSMRPVVLVGPLKGYEVTMMQKALFDFLKHRFDGRISITRVTADISLAKRSVLNPNPSKRAII
 ERSNTRSSLAEVQSEIERIFELARSLQLVVL DADTINHPAQLIKTSLAPIIVHVKVSSPKVLQRLIKSRG
 KSQSKHLNVQLVAADKLAQCPEMFDVILDENQLEDACEHLGEYLEAYWRATHHTSSTPMTPLLGRNLGS
 TALSPYPTAISGLQSQRMRHSNHSTENSP IERRSLMTSDENYHNERARKSRNRLSSSSQHSRDHYPLVEE
 DYPDSYQDTYKPHRNRGSPGGYSHDSRHRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Species:

Human

Serotype:

AAV-2

ACCN:

NM_000726

ORF Size:

1560 bp

Buffer:	PBS with 0.001% Pluronic F68
Stability:	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
RefSeq:	<u>NM_000726.2</u>
RefSeq Size:	7979 bp
RefSeq ORF:	1563 bp
Locus ID:	785
UniProt ID:	<u>O00305</u>
Cytogenetics:	2q23.3
MW:	58.2 kDa